

Application Serial No. 10/581,107

Attorney Docket No. PD030121

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) Method for coding impulse responses of audio signals, wherein said impulse responses allow reproduction of sound signals corresponding to a certain room characteristic, comprising:

using an MPEG-4 encoder to encode multiple successive MPEG-4 PROTO params fields of an MPEG-4 BIFS stream for transmission of one or more impulse responses associated with a coded audio signal as defined in the following steps:

inserting into a first of said multiple successive MPEG-4 PROTO params fields information about the following MPEG-4 PROTO params fields by said MPEG-4 encoder, wherein said information comprises a number of the following MPEG-4 PROTO params fields to be used and a number of impulse responses to be transmitted; and

inserting into said following MPEG-4 PROTO params fields for each of said impulse responses a length information of the impulse response and samples representing the impulse response to modify control parameter limitations of said MPEG-4 BIFS stream.

2. (Cancelled)

3. (Previously Presented) Method according to claim 1, wherein a scalable transmission of the room impulse responses is enabled.

4. (Original) Method according to claim 3, wherein in a broadcast mode short versions of room impulse responses are frequently transmitted and a long sequence is less frequently transmitted.

Application Serial No. 10/581,107

Attorney Docket No. PD030121

5. (Original) Method according to claim 3, wherein in an interleaved mode a first part of the room impulse responses is frequently transmitted and the later part of the room impulse responses is less frequently transmitted.

6. (Currently Amended) Method for decoding impulse responses of audio signals by an MPEG-4 decoder, wherein said impulse responses allow reproduction of sound signals corresponding to a certain room characteristic, comprising:

receiving at a MPEG-4 decoder, one or more impulse responses in multiple successive MPEG-4 PROTO params fields of an MPEG-4 BIFS stream, wherein a first of said multiple successive MPEG-4 PROTO params fields includes information about the following MPEG-4 PROTO params fields, said information comprising a number of the following MPEG-4 PROTO params fields used and a number of impulse responses transmitted, and wherein said following MPEG-4 PROTO params fields include for each of said impulse responses a length information of the impulse response and samples representing the impulse response;

separating said samples representing said one or more impulse responses based on said information in said first MPEG-4 PROTO params field and said length information in said following MPEG-4 PROTO params fields by said MPEG-4 decoder;

and

using said one or more impulse responses represented by said separated samples for calculation by said MPEG-4 decoder of a reverberation effect corresponding to said room characteristic.

7. (Cancelled)

8. (Previously Presented) Method according to claim 6, wherein the room impulse responses are received following a scalable transmission of said room impulse responses.

9. (Original) Method according to claim 8, wherein in a broadcast mode short versions of room impulse responses are frequently received and a long sequence is less frequently received.

Application Serial No. 10/581,107

Attorney Docket No. PD030121

10. (Original) Method according to claim 8, wherein in an interleaved mode a first part of the room impulse responses is frequently received and the later part of the room impulse responses is less frequently received.

11. (Previously Presented) Apparatus for performing a method according to claim 1.